## AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

## LISTING OF CLAIMS

1. (currently amended) A driving device of an ink-jet print head that discharges liquid drops through a plurality of nozzles, comprising:

a data storage unit, which stores a data block <u>having a plurality of data items</u> for liquid drop discharge, <u>each data item indicating one of discharge data for which liquid drops are to be discharged and non-discharge data for which liquid drops are not to be <u>discharged</u>;</u>

a data determination unit, which determines the stored data block;

a <u>driving device</u> shift register, which outputs the determined data block to an the ink-jet print head <u>shift register</u>; and

a clock signal generation unit, which generates <u>first</u> clock signals for driving the <u>driving device</u> shift register <u>and second clock signals for driving the ink-jet print head</u> <u>shift register</u>;

wherein:

when the data items of the plurality are identical, the data determination unit generates a first signal indicating that the data items are identical and a second signal indicating one of that the data items indicate discharge data and that the data items indicate non-discharge data determines whether the data block has a predetermined array;

when the first signal is generated the data block has the predetermined array, the clock signal generation unit continues generating the second clock signals and stops generating the first clock signals for a number of cycles corresponding to a number of data items in the plurality; and

when the first signal is generated, the shift register data determination unit outputs the data block having the predetermined array second signal to the ink-jet print head shift register.

- 2. (cancelled).
- 3. (currently amended) The driving device of an ink-jet print head according to Claim 2 1, wherein:

the plurality of nozzles are provided in every block having a predetermined number of the nozzles, and a plurality of data determination units are provided in the corresponding blocks.

- 4. (currently amended) A control method of a driving device of an ink-jet print head that discharges liquid drops through a plurality of nozzles, comprising:
- a data storage step of storing a data block <u>having a plurality of data items</u> for liquid drop discharge, <u>each data item indicating one of discharge data for which liquid drops are to be discharged and non-discharge data for which liquid drops are not to be discharged;</u>
  - a data determination step of determining the stored data block;
- a data output step of outputting the determined data block <u>from a driving device</u> shift register to <u>an</u> the ink-jet print head via a shift <u>register</u> resistor; and
- a <u>first</u> clock signal generation step of generating clock signals for driving the driving device shift register; <u>and</u>
- <u>a second clock signal generation step of generating clock signals for driving the ink-jet print head shift register;</u>

wherein:

when the data items of the plurality are identical, the data determination step further comprises determining whether the data block has a predetermined array generating a first signal that indicates that the data items are identical and generating a second signal that indicates one of that the data items indicate discharge data and that the data items indicate non-discharge data; and

when the first signal is generated, the first clock signal generation step further comprises pausing the generating of stepping a generation of the clock signals for driving the driving device shift register for a number of cycles corresponding to a number of data items in the plurality; and when the data block has the predetermined array.

when the first signal is generated, the data output step further comprises outputting the second signal to the ink-jet print head shift register.

- 5. (cancelled)
- 6. (currently amended) A liquid drop discharge apparatus comprising:
- a driving device of an ink-jet print head according to Claim 1, and
- a print head having a control unit that drives the plurality of nozzles based on the data block output from the driving device.